



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

C10-5A
Job Sheet 185351



Part No: C10-5A

Job Qty: 2 ea

Part Name: Load Beam Assembly



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/25/18

Job Tracking No:

Due Date: 10/29/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG C10-5A/C10-5KA Rev. 3 IPP Rev. A 18.04.18 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea		10/29/18	0.00	0.00	Start Up Small Fab-4		SB
100	Small Fab	2 pcs		10/29/18	0.08	0.13	Small Fab-9		AP
110	QC	2 pcs		10/29/18	0.00	0.00	QC5		SB
130	Outsource	2 pcs		10/29/18	0.00	0.00	Outsource15		QC-18-10-25
140	Packaging	2 pcs		10/29/18	0.00	0.00	Packaging2		OCT 31 2018
150	QC	2 pcs		10/29/18	0.00	0.00	QC6		38
160	Packaging	2 pcs		10/29/18	0.00	0.00	Packaging3-2		9-89
170	QC21-FG	2 Ea		10/29/18	0.00	0.00	QC21		NOV 01 2018

Part Op 100 - ASSEMBLE AS PER DWG

Descriptions: 130 - Issue P/O to Groupe Altech: P/O 041463 Nickel plate, QQ-N-290, Class 2, Grade C -Nickel
Plate .0009-.0011 - Certificate of Conformity is required

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C10-5	Load Beam	2 Ea (1 ea)	90-Start up Operation	5094359
C10-6	Trunnion	2 Ea (1 ea)	90-Start up Operation	5120950

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start	C10-5	2	14	0
			0	0

Container No: S121453



Part: C10-5A

Job No: 185351

Serial No/Batch: S121453

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 10/25/18

Plex 10/25/18 11:29 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

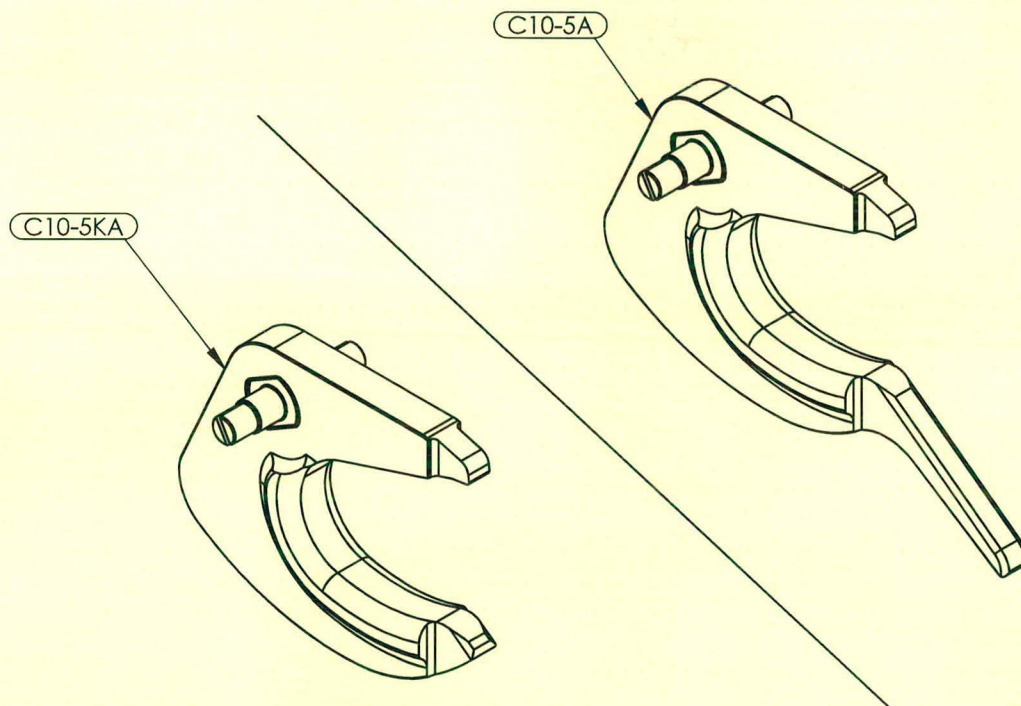
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
D		AS DRAWN BY APICAL.	5/7/2013	CFS	
1		C10-6 CH'D TOLERANCE WAS 1.500 +.000 -.002 IS Ø1.50.	10/9/2013	CFS	GE
2	14-0114	CH'D TITLEBLOCK WAS RED BARN IS DART. C10-5 ADDED MACHINE ENGRAVE NOTE. C10-6 ADDED BAG & LABEL NOTE. CH'D TOLERANCE ON NON-CRITICAL DIMENSIONS.	8/8/2014	DPD	RW
3	15-0176	UPDATED TO NEW DRAFTING STANDARDS. C10-5A ADDED DIMS 1.52, (.010). C10-5 ADDED DIM 4X R.13. ADDED DXF NOTE. C10-5K & C10-5KA ADDED DWG. CH'D TOLERANCE ON NON-CRITICAL DIMENSIONS.	7/17/2015	DPD	JAG

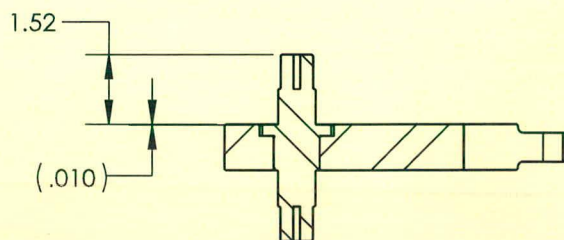
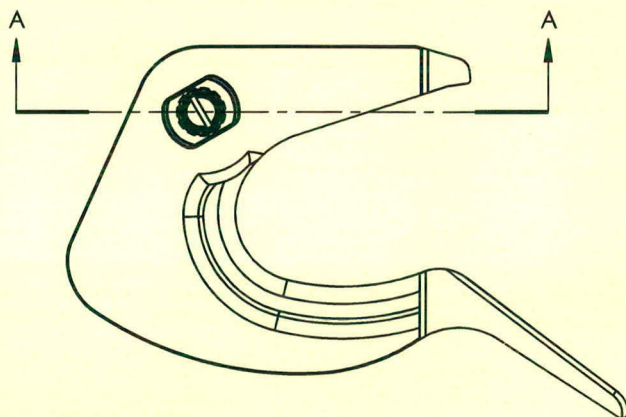


DART AEROSPACE	
TITLE LOAD BEAM ASSEMBLIES	
DWG NO. C10-5A/C10-5KA	REV 3
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1	DRAWN BY: DUERFELDT APPROVED: <i>J. Gilbert</i> HEAT TREAT FINISH SPEC USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45°	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 7/17/2015
SHEET 1 OF 6	

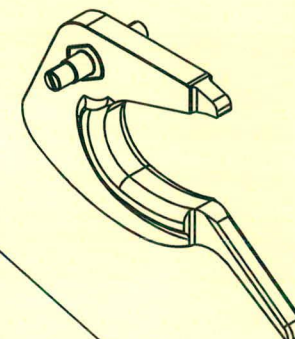
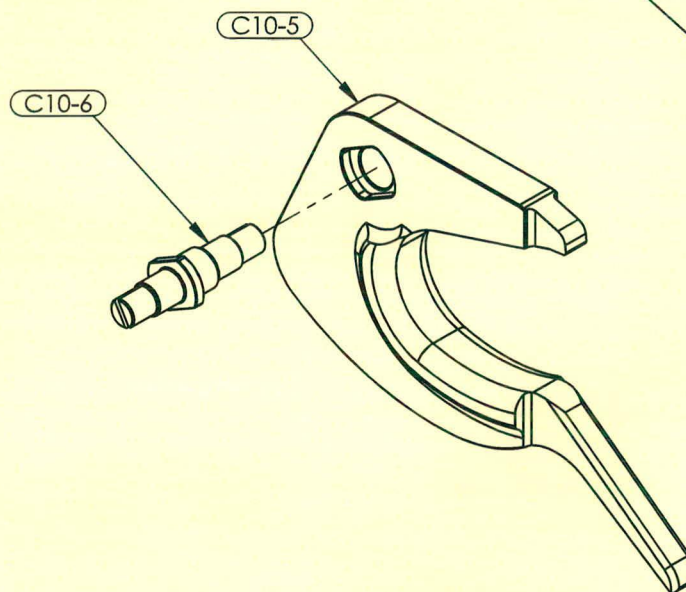
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		C10-5A	1	LOAD BEAM ASSEMBLY			2
	1		C10-5		LOAD BEAM	4140/4142		4
X			C10-5KA	1	KEEPERLESS LOAD BEAM ASSEMBLY			3
1			C10-5K		KEEPERLESS LOAD BEAM	4140/4142		5
1	1		C10-6		TRUNNION	4140/4142		6
ASSY C10-5KA	ASSY C10-5A							

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
3	15-0176	C10-5A ADDED DIMS 1.52, (.010).			7/17/2015	DPD	JAG



SECTION A-A



NOTE:
1. NICKEL PLATE .0009 - .0011, BAKE AFTER PLATING.

C10-5A
LOAD BEAM ASSEMBLY

DART AEROSPACE	
TITLE LOAD BEAM ASSEMBLIES	
DWG NO. C10-5A/C10-5KA	REV 3
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CANAM APPROVED <i>D Weil</i> HEAT TREAT FINISH SEE NOTE 1 SPEC USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 11/25/2009 SHEET 2 OF 6



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041463**

Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO041463
PO Date: 10/25/18
Due Date: 10/31/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	184993	PC250-750	Link -Issue P/O to GROUPE ALTECH: P/O -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating -Material type; O1 -Certificate of Conformity is required	Firmed	-	10/31/18	50 pcs	0 pcs	50 pcs	\$1.35/pcs	\$67.50
<i>(From Altech)</i> <i>SOX OCT 31 2018</i>											
Line Item Note **Rush** (Ideally 24 hour turn around) Advise ETA											
2	185351	C10-5A	Load Beam Assembly -Issue P/O to Groupe Altech: P/O -Nickel plate, QQ-N-290, Class 2, Grade C -Nickel Plate .0009-.0011 - Certificate of Conformity is required	Firmed	-	10/31/18	2 pcs	0 pcs	2 pcs	\$38.95/pcs	\$77.90
<i>2X OCT 31 2018</i>											
Grand Total:											\$145.40

DAS
38
9-89



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041463

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

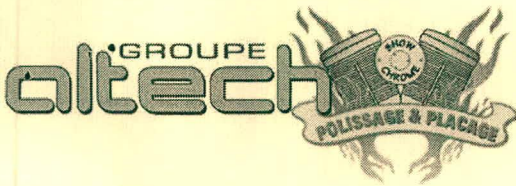
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/26/18 1:07 PM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance

(013876-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

013876 - 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.					
31-Oct-2018		Aman		041463 ✓					
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order	
1	PC-250-750 ✓ Rev.	PC-250-750 01-E-NIC STEEL 200 [E-NICKEL STEEL 200] AND BAKE AFTER QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK	E-NICKEL-200 CH	50	50 ✓	0	0	0	
2	C10-5A ✓ Rev.	C10-5A 01-E-NIC STEEL 200 [E-NICKEL STEEL 200] BAKE AFTER QQ-N-290 CLASS 2 GRADE C 0.0009 TO 0.0011	E-NICKEL-200 CH	2	2 ✓	0	0	0 DAS 38 9-89	

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness
Inspecteur Qualité
Quality Inspector
Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

